



9	M	E	3	(	A	)
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Please stick the barcode label in the box.

Education Bureau
Territory-wide System Assessment 2022
Secondary 3 Mathematics
ANSWER BOOKLET

INSTRUCTIONS

1. Write your School Code, Class and Class Number in the boxes provided on this page.
2. Stick barcode labels in the spaces provided on page 1 and page 3.
3. Time allowed is 65 minutes.
4. Write ALL your answers in the spaces provided in this ANSWER BOOKLET.
5. Do not write in the margins.
6. Unless otherwise specified, numerical answers should be either exact or correct to 3 significant figures.
7. The use of HKEAA approved calculators is permitted.
8. Rough work should be done on the rough work sheet provided.

**School
Code**

S			
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Class

3	
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**Class
No.**

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↑
Write one capital
letter in this box.

SECTION A: Multiple Choice Questions

MC Questions - Blacken the circle under the correct answer
with an **HB pencil**. For example :

A	B	C	D
●	○	○	○

1.

A B C D

○ ○ ○ ○
2.

A B C D

○ ○ ○ ○
3.

A B C D

○ ○ ○ ○
4.

A B C D

○ ○ ○ ○
5.

A B C D

○ ○ ○ ○
6.

A B C D

○ ○ ○ ○
7.

A B C D

○ ○ ○ ○
8.

A B C D

○ ○ ○ ○
9.

A B C D

○ ○ ○ ○
10.

A B C D

○ ○ ○ ○

Please do not write in the margin.

Please do not write in the margin.

Please stick the barcode label in the box. →

A rectangular box intended for a barcode label.

Please do not write in the margin.

11. A B C D

☐ ☐ ☐ ☐

12. A B C D

☐ ☐ ☐ ☐

13. A B C D

☐ ☐ ☐ ☐

14. A B C D

☐ ☐ ☐ ☐

15. A B C D

☐ ☐ ☐ ☐

16. A B C D

☐ ☐ ☐ ☐

17. A B C D

☐ ☐ ☐ ☐

18. A B C D

☐ ☐ ☐ ☐

19. A B C D

☐ ☐ ☐ ☐

20. A B C D

☐ ☐ ☐ ☐

Please do not write in the margin.

SECTION B: Write your answers in the spaces provided. Working need not be shown.

21. _____

22. The diameter = _____ km

23. The value of the 4th term of the sequence is _____ .

24. $x =$ _____

$y =$ _____

25. _____

26. _____

27. _____

28. $c =$ _____

29. _____

30. _____

31. (a) $m =$ _____

(b) $n =$ _____

32. $x =$ _____

33. The coordinates of S' are (_____ , _____).

Please do not write in the margin.

Please do not write in the margin.

34. $AB =$ _____ units

35. $\theta =$ _____

36.

Table 1	
Number of passengers	Frequency
10 – 29	
30 – 49	9
50 – 69	

Table 2	
Number of passengers	Frequency
10 – 19	
20 – 29	2
30 – 39	
40 – 49	4
50 – 59	
60 – 69	1

37. (a) There are _____ books in Emily's home.
- (b) There are _____ pages in the book with the most pages in Emily's home.
- (c) The median is _____ pages.
38. The weighted mean mark of Wincy is _____ .
39. The required probability = _____

SECTION C: Answer in the spaces provided.
All working and conclusions must be clearly shown.

40.

41.

42.

Please do not write in the margin.

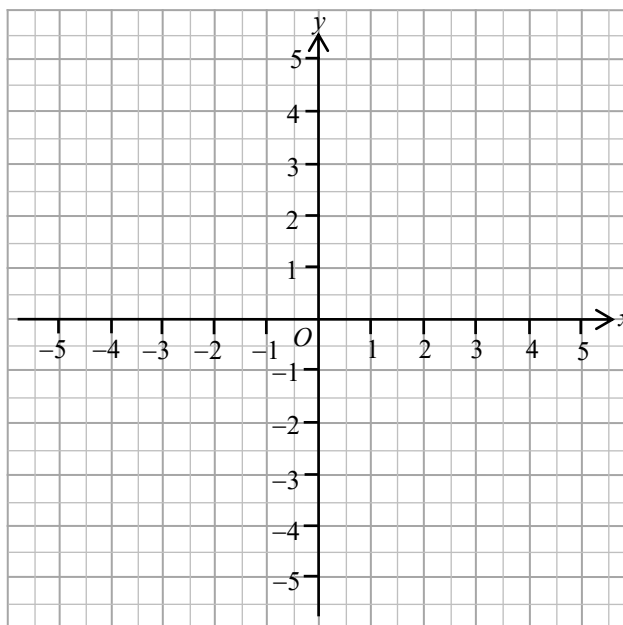
Please do not write in the margin.

Please do not write in the margin.

43.

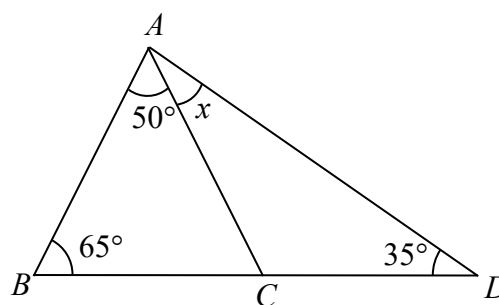
$$x + y - 1 = 0$$

x	-3	0	3
y		1	



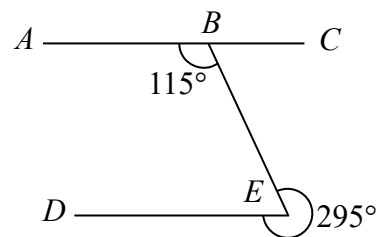
44.

45.



Please do not write in the margin.

46.



47.

(a)

Result (Mark)	1 – 25	26 – 50	51 – 75	76 – 100
Class mark (Mark)		38	63	
Frequency	3	9	12	6

(b)

END OF PAPER